

TIMCO ENGINEERING INC.

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March 17, 2003

Martin Perrine

mperrine@fcc.gov

FCC Equipment Authorization Branch

SUBJECT: RESPONSE TO YOUR INQUIRY DATED FEBRUARY 10, 2003

FCCID:O7KML3215

REFERENCE: TIMCO JOB#: 1175AUT2

From: oetech@fccsun34w.fcc.gov

Sent: Monday, February 10, 2003 12:48 PM

To: TEI@TIMCOENGR.COM

Subject: Request for additional information

To: Sid Sanders

From: Martin Perrine

mperrine@fcc.gov

FCC Equipment Authorization Branch

Re: FCC ID: O7KML3215

Applicant: Topaz3, L.L.C.

Correspondence Reference Number: 6888

731 Confirmation Number: TC505136

Date of Original Email: 02/10/2003

Subject: Request for additional information

In regards to your recent TCB grant referenced above we kindly request that you provide the following additional information.

- 1) Updated Rule part in form 731 for 6 KHz emission. Please use rule 90.210 (e)

RESPONSE: This radio is not designed or capable of supporting 6.25 kHz operation.

- 2) Revised antenna gain and MPE analysis. The FCC believes that a safe distance of 1.7 m cannot be maintained for bystander exposure conditions for most vehicles. Please consider lowering maximum antenna gain or power. Revise application accordingly.

RESPONSE: The MPE at 45 Watts was recalculated for use with a 0 dBd roof mounted 1/4 wave Vertical Antenna. The result for this configuration yielded a permissible distance of 121 centimeters or 47.7 inches. The Test Report page, which describes the MPE calculation, has been replaced using the 0 dBd antenna gain parameter. (See Page 27 of the revised test report). Likewise, the User Manual has been updated to reflect the 0 dBd gain antenna requirement and the updated compliance distance.

- 3) Updated grant comment to include reference to vehicle roof top only mounting.

RESPONSE: The Grant has been modified to agree with the User Manual which states a center of the roof-top mounted antenna.

- 4) Radiated spurious data using the substitution method. Also, please state RBW for the spectrum used during testing.

RESPONSE: The RBW used during testing has been added to the Test Report.

- 5) Details of how rule section 90.203 e is met.

RESPONSE: A letter from Mr. Gerald Happy, LMR Marketing Product Manager, is being submitted with this application stating the software required to reprogram the operating frequencies is only available to authorized two-way radio dealers.

I trust the above items have been answered to your satisfaction. I apologize for any lack of data that may have caused confusion.

Very truly yours,

Frank DeNuzzo

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